



SMG Weather Forecasts in Support of HYTHIRM for Falcon9/Dragon

Issued December 8, 2010



Launch Weather Outlook

Clouds: FEW250

Winds: 32008P12 Knots

Vis: 7 Miles

Precip: None

Actual Launch Forecast prepared by Falcon 9 Launch Weather Officer

Issued 8 Dec 12Z



1st Stage Recovery Forecast

Waveheight: 12-14 Feet

Period: 7-9 Seconds

Clouds: 4500 Feet

Winds: NW 15-20 Knots

Water Temp: 71F

Precip: Scattered Showers

***1st Stage Recovery Sea-State forecast prepared by Falcon 9 Launch
Weather Officer***

Issued 8 Dec 12Z



Point Mugu Weather

Clouds: None

Winds: 05005P08 Knots

Vis: 7 Miles

Precip: None

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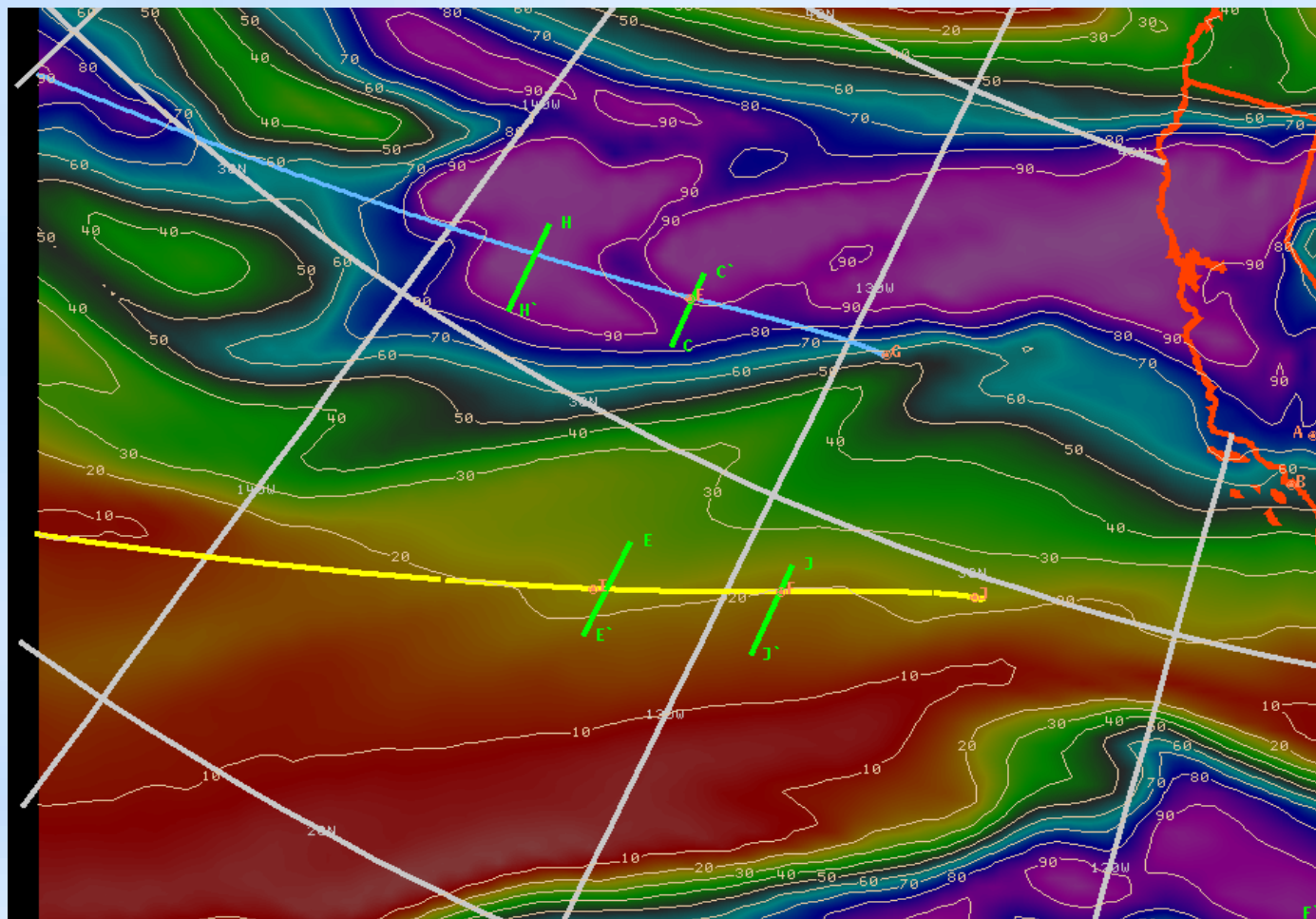
25,000 Ft Flight Level Winds

Nominal: 26030 Knots

Orbit 3: 25045 Knots



Dec 8 Pacific Relative Humidity



Dry —————► Moist

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Aircraft Telemetry/Imaging Cloud Forecast

Nominal: Favorable

Rev 3: Unfavorable

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Dragon Recovery Weather (Nominal)

Waveheight: 7-9 Feet

Period: 10-12 Seconds

Clouds: FEW 2,000 Feet

Winds: SW 5 Knots

Water Temp: 63F

Precip: None

Sea State Forecast prepared by Falcon 9 Launch Weather Officer

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Dragon Recovery Weather (Rev 3)

Waveheight: 14-16 Feet

Period: 15-17 Seconds

Clouds: Broken 4,500 Feet
Overcast 15,000 Feet

Winds: SW 10-15 Knots

Water Temp: 62F

Precip: Showers